

Materials List for:

Transplantation Into the Mouse Ovarian Fat Pad

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Materials

Name	Company	Catalog Number	Comments
25 gauge needle	BD Becton Dickinson	305122	
28 gauge needle (hypodermic syringe with attached needle)	Kendall	30339	Part Number: 8881500014
basic fibroblast growth factor-2	Sigma-Aldrich	F9786	
basement membrane matrix (Geltrex)	Invitrogen	A1413202	
β-actin-DsRed mice	The Jackson Laboratory	6051	B6.Cg-Tg(CAG-DsRed ⁺ MST)1Nagy/J
β-actin-EGFP mice	The Jackson Laboratory	3291	C57BL/6-Tg(CAG-eGFP)1Osb/J
β-mercaptoethanol	Sigma-Aldrich	M7522	
bovine albumin	Sigma-Aldrich	A3311	
chloroform	VWR	EM-CX1058-1	
collagenase/hyaluronidase	Stem Cell Technologies	7912	
cryogenic vials	Thermo Scientific Nunc	377267	
dispase II	Worthington	NPRO2	
DMEM F12 (HAM's)	Corning	10-092-CV	
DNase I (Deoxyribonuclease I)	Stem Cell Technologies	7900	
embedding medium for frozen tissue specimens (O. C. T.)	Sakura Finetek	4583	
epidermal growth factor	Sigma-Aldrich	E4127	
ethanol 200 proof	Koptec	V1001	to prepare 70%
fetal bovine serum	Sigma	F4135	
filter tip 0.1-10/20 µl XL	USA Scientific	1120-3810	
FOXJ1 antibody	eBioscience	E10109-1632	used at concentration 1:1,000 (no unmasking)
hydrocortisone	Sigma	H0135	
Ketoprofen	Zoetis	4396H	
laboratory film (Parafilm M)	American National Can	PM-999	
L-Glutamine	Corning	25-005-CI	
insulin-transferin-sodium selenite	Sigma-Aldrich	I884	
isoflurane, 250 ml	Santa Cruz Animal Health	sc-363629Rx	
low attachment plate 24-well	Costar	3473	
MEM non-essential amino acids	Corning	25-025-CI	
metal histology molds	Electron Microscopy Sciences	62527-22	
microscope, inverted	Nikon	Eclipse TS 100	
microscope, stereo	Nikon	SMZ800	
Nod/SCID/gamma (NSG) mice	The Jackson Laboratory	05557	NOD.Cg-Prkdc ^{scid} Il2rg ^{tm1Wjl} /SzJ

paraformaldehyde 16% solution	Electron Microscopy Sciences	15710	
paraffin (Paraplast, X-TRA)	Fisher Thermo Scientific	23-021-401	
PAX8 antibody	Proteintech	10336-1-AP	used at concentration 1:1,000 (no unmasking)
PBS (Phosphate-Buffered Saline)	Corning	21-030-CV	
penicillin streptomycin	Corning	30-002-CI	
severe combined immunodeficiency (SCID/NCr) mice, BALB/C background)	NCI-Frederick Animal Production Program	01S11	
sodium pyruvate	Corning	25-000-CI	
specimen processing gel (HISTOGEL)	Richard-Allan Scientific	HG-4000-012	
sucrose	Sigma-Aldrich	S0389	
Trypsin-EDTA, 25%	Corning	25-053-CI	